

IN THE SPECIFICATION:

The Abstract as originally filed is canceled and replaced with the new Abstract attached hereto and forming a part of this response. No new matter has been added.

Please amend the paragraphs starting at page 3, line 15 through page 4, line 6 as follows:

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– To the accomplishment of the foregoing objects, a sensor head of the invention ~~as defined in claim 1~~ includes:

a multiplicity of linear image sensors arranged in parallel with a given line of pixels and arranged on an imaginary semi-cylindrical surface having the axis thereof coincided with the line of pixels, the linear image sensors adapted to receive light emitted from the line of pixels at different vertical angles and transform it into electric signals indicative of the luminance of the line of pixels at vertical angle  $\theta$  in the range  $-90^\circ \leq \theta \leq +90^\circ$ .

A sensor head of the invention ~~as defined in claim 2~~ includes may include an optical system for receiving light emitted from a line of pixels at different vertical angles and for transmitting the light received to a light sensing means which transforms the light into electric signals indicative of the luminance of the line of pixel at vertical angle  $\theta$  in the range  $-90^\circ \leq \theta \leq +90^\circ$ . A sensor head of the invention as defined in claim 3 comprises an optical system for receiving light emitted from a light source at the center of an imaginary sphere and for

transmitting the light received to a light sensing means which transforms the light into electric signals indicative of angular distribution of luminance of the light source.

Luminance distribution measurement apparatuses of the invention ~~as defined in claims 4, 5 and 6~~ may be equipped with the sensor heads ~~defined in claims 1, 2, and 3, respectively,~~ adapted to measure easily and quickly the luminance distribution of the entire pixels by aligning the axis of the imaginary semi-cylinder or the center of the imaginary sphere associated with the sensor heads while moving the sensor heads relative to the pixels under measurement.

An apparatuses for inspecting/evaluating unevenness of luminance appearing on a display (hereinafter referred to as unevenness inspection/evaluation apparatus) ~~of the invention as defined in claims 7, 8 and 9~~ may be arranged to detect and analyzes the unevenness in luminance and evaluate it based on the luminance information stored in the memories of the luminance distribution measurement apparatuses ~~of claims 4, 5, and 6.~~ --.

Please amend the paragraphs starting at page 3, line 15 through page 4, line 6 as follows:

-- Using the sensor head 1X, it is possible to quickly obtain viewing angle characteristic data for one or more of the target pixel lines running in the x-direction. The measurable domain of viewing angles is in the range  $\phi = 90^\circ$  and  $\theta \leq 90^\circ$ , and in the range  $\phi = 270^\circ$  and  $\theta \leq 90^\circ$  for each pixel 3 in the pixel line (region above the arc 31 shown in Fig. 8). The sensor head 1Y is capable of quickly obtaining viewing angle characteristic data for one or more of

the target pixel lines running in the y-direction. The measurable domain of viewing angles are in the range  $\phi = 0^\circ$  and  $\theta \leq 90^\circ$ , and in the range  $\phi = 180^\circ$  and  $\theta \leq 90^\circ$  for each pixel 3 in the pixel line (region above the arc 32 shown in Fig. 8).--.